



2015

GM Globally Approved Refinish Materials



GMW-15406-2015

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Foreword

The products listed in this booklet have been approved by GM following a thorough, standardized test process to meet the GMW15406M Specification. This specification is for all countries where GM vehicles are manufactured, sold or repaired.

Only the products listed, and their support products (i.e., reducers) can be used for GM warranty work. This booklet supersedes previous publications.

Primers, surfacers, sealers, basecoats and clearcoats approved to meet this specification create a complete SYSTEM and are not interchangeable. Mixing products from different manufacturer-approved lines or the use of any generic substitutions are strictly forbidden. Unapproved substitution will result in voiding the manufacturers' warranty and a loss of GM-approved payments (charge backs) for warranty work. Although warranty franchise agreements for repair pertain to North American dealers and their sublets only, GM highly recommends global adoption of this specification.

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Introduction

General Motors continuously pursues quality improvement. Therefore GM has established automotive refinishing standards for itself as well as its Marketing Division Dealers and Retailers. GM was the first domestic car company to set a specification for aftermarket paint finishes.

GM has established standards for paint refinishing. Each Division requires the Dealer to use only materials and methods that meet GM Standard GMW15406 when repairing, replacing, or refinishing vehicles. Where it is determined that the Dealer is using paint systems or materials which do not meet GMW15406 standards, appropriate counsel and/or corrective action may be taken.

The Bottom Line

Dealer(s) or Retailer(s) in North America, must ensure that all finish repairs, including sublets, meet GM Specification GMW15406. Use of materials (and associated methods) that do not meet this GM standard may result in a review of claim(s) leading to chargeback(s).

As warranty periods increase, customer expectations continue to rise. Many Dealers/Retailers understand customer expectations. As a result, they have chosen a single, complete system approach and only use the systems that meet the highest standards of quality and durability.

All the paint manufacturers that meet the GMW15406 Specification have spent thousands of man hours in research and development to ensure the approved system gives the appearance, performance, and durability comparable to the OEM finish. The products in the systems listed in this book are the very best products to use. They are guaranteed to produce the consistent, quality results that GM customers expect. This makes it easier for you, as the Dealer/Retailer, to confidently choose a system that will maximize your customers' satisfaction.

Each year, all new paint systems will be tested and evaluated. New or improved products will also be tested. The paint systems that pass this annual testing process will be published in this booklet, updated annually.

The National Rule was implemented in January 1999. You are required to use only VOC systems listed in this book for business in the United States. Some non-VOC systems that meet GMW15406 Specifications are still approved for Canada. For other countries, check with our paint supplier to see if a listed non-VOC system is one of those.

Approved Paint System Categories

Because of environmental concerns, rules involving Refinishing products in Europe and North America have been established. The intent of these rules is to limit the amount of volatile organic compounds (VOCs) emitted into the air during the refinish process. The 2010 GMW15406 book recognizes four categories of regulations. A fifth category, the **US BAAQMD Rule 45**, was considered, but as this book goes to press, the Bay Area Air Quality Management District is holding workshops, and the VOC limits in Rule 45 might change for or during 2009. It is suggested that you check the BAAQMD's website for the current limits and regulations.

US National Rule: In 1998, the United States Environmental Protection Agency established the National Rule for Automotive Refinish Coatings. The National Rule regulates VOC emissions in the United States unless it is superseded by a local air district that has more stringent rules for emissions standards, such as Rule 45 in the San Francisco, California area and Rule 1151 in the Los Angeles, California area.

US SCAQMD Rule 1151: The South Coast Air Quality Management District (SCAQMD) is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. In 1988, this District was the first jurisdiction in the world to develop VOC concentration limits for some Automotive Refinishing products. Rule 1151 mandates the least VOC emissions in the world. It is the leader that all jurisdictions look to when setting rules for their respective districts.

Europe: The first European Union law to affect the Vehicle Refinishing sector was published in 1999. In 2004, the European Parliament adopted a new and common Directive limiting the emissions of Volatile Organic Compounds. This new Directive went into effect in 2007.

Non-Regulated: Many countries in the world have yet to adopt regulations limiting VOC emissions. Consequently, there are no restrictions on the type of Refinishing products that can be manufactured, imported, sold and used in these areas.

These four categories represent the most prominent jurisdictions and rules – including non-rules – in the world. However, there are many more governmental districts with their own air quality regulations. California alone has over 30 local air districts. You should always check with your paint supplier to see if the system you are using meets the VOC requirements for your area.

There may be more than one paint system in a manufacturer's line that has met the GMW15406 Specification. Each system listed is complete, as tested, and no substitution, even of a similar product in another system, is acceptable. The manufacturers and their GM approved systems are laid out on the following pages for your ease of reference.

Valspar Automotive – DeBeer Refinish



Rigid Substrates (Steel and Aluminum): Valspar

US National Rule (5.0 lbs/gal, 600g/l BC/CC Composite)	US SCAQMD Rule 1151 3.5 lbs/gal, 420g/l Basecoat; 2.1lbs/gal, 250g/l Clearcoat	Europe 3.5 lbs/gal, 420g/l Basecoat; 3.5 lbs/gal, 420g/l Clearcoat	Non-Regulated
CLEARCOAT			
8-514	80-121	8-514	8-514
BASECOAT			
900+ series*	900+ series*	900+ series*	900+ series*
SURFACER/SEALER			
1-780	80-780	1-780	1-780
ANTI-CORROSION PRIMER			
1-780**	80-780**	1-780**	1-780**
* To Meet GMW15406 Specifications a hardener or activator must be added to the basecoat.			
** To Meet GMW15406 Specification bare metal surfaces must be treated with a Pretreatment Wipe prior to application of primer			



Flexible Substrates: Valspar

US National Rule Elastomeric Coating (7.0 lbs/gal, 840g/l BC/CC Composite)	US SCAQMD Rule 1151 3.5 lbs/gal, 420g/l Basecoat; 2.1lbs/gal, 250g/l Clearcoat	Europe 3.5 lbs/gal, 420g/l Basecoat; 3.5 lbs/gal, 420g/l Clearcoat	Non-Regulated
CLEARCOAT			
8-514	80-121	8-514	8-514
BASECOAT			
900+ series*	900+ series*	900+ series*	900+ series*
SURFACER/SEALER			
8-145	80-222/223	8-145	8-145
ADHESION PROMOTER			
1-60	80-60	1-60	1-60
* To Meet GMW15406 Specifications a hardener or activator must be added to the basecoat.			

Valspar – Octoral



OCTORAL



Rigid Substrates (Steel and Aluminum): Valspar

US National Rule (5.0 lbs/gal, 600g/l BC/CC Composite)	US SCAQMD Rule 1151 3.5 lbs/gal, 420g/l Basecoat; 2.1lbs/gal, 250g/l Clearcoat	Europe 3.5 lbs/gal, 420g/l Basecoat; 3.5 lbs/gal, 420g/l Clearcoat	Non-Regulated
CLEARCOAT			
		C300 HS420 Speed Clear	C300 HS420 Speed Clear
BASECOAT			
		Octobase Eco Plus System*	Octobase Eco Plus System*
SURFACER/SEALER			
		PF 131 HS Surfacer	PF 131 HS Surfacer
ANTI-CORROSION PRIMER			
		PE 130 Epoxy Primer**	PE 130 Epoxy Primer**
<p>* To Meet GMW15406 Specifications a hardener or activator must be added to the basecoat.</p> <p>** To Meet GMW15406 Specification bare metal surfaces must be treated with a Pretreatment Wipe prior to application of primer</p>			



OCTORAL

Flexible Substrates: Valspar - Octoral

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CLEARCOAT			
		C300 HS420 Speed Clear	C300 HS420 Speed Clear
BASECOAT			
		Octobase Eco Plus System*	Octobase Eco Plus System*
SURFACER/SEALER			
		PF 131 HS Surfacer	PF 131 HS Surfacer
ADHESION PROMOTER			
		PA 65 1K Plastic Primer	PA 65 1K Plastic Primer
* To Meet GMW15406 Specifications a hardener or activator must be added to the basecoat.			